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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR INCREASING RSV SURFACE GLYCOPROTEIN YIELDS USING A MUTANT STRAIN OF RSV

(57) Abstract: A process for producing isolated and purified respiratory syncytial virus (RSV) fusion (F) and attachment (G) glycoproteins in eukaryotic cell cultures infected with RSV cold-passaged, temperature-sensitive mutant subgroup A2 strain *cpts*-248/404 results in at least a 5-fold increase in F and G protein yields when compared with the parent A2 strain. Immunogenic compositions comprising the F and/or G protein(s) produced by this process can be formulated for *in vivo* administration to a host to confer protection against disease caused by RSV.

WO 2004/083397 A3

# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/135 A61K39/155

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, MEDLINE, EMBASE, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HANCOCK GERALD E ET AL: "Serum neutralizing antibody titers of seropositive chimpanzees immunized with vaccines coformulated with natural fusion and attachment proteins of respiratory syncytial virus"</p> <p>JOURNAL OF INFECTIOUS DISEASES, vol. 181, no. 5, May 2000 (2000-05), pages 1768-1771, XP002303541</p> <p>ISSN: 0022-1899</p> <p>abstract</p> <p>page 1769, left-hand column, paragraphs 1,2</p> <p>-----</p> <p>-/--</p>	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FIRESTONE C-Y ET AL: "NUCLEOTIDE SEQUENCE ANALYSIS OF THE RESPIRATORY SUNCYTIAL VIRUS SUBGROUP A COLD-PASSAGED (CP) TEMPERATURE SENSITIVE (TS) 248/404 LIVE ATTENUATED VIRUS VACCINE CANDIDATE" VIROLOGY, ACADEMIC PRESS, ORLANDO, US, vol. 225, no. 2, 15 November 1996 (1996-11-15), pages 419-422, XP002047455 ISSN: 0042-6822 abstract page 421; tables 1,2	1-6, 8-13, 15-18
X	WO 98/02457 A (CONNAUGHT LAB ; CATES GEORGE A (CA); KLEIN MICHEL H (CA); OOMEN RAYMON) 22 January 1998 (1998-01-22) abstract page 10, line 15 - line 30 pages 20-22; examples 2,3 claims	4-17
X	US 5 922 326 A (CONNORS MARK ET AL) 13 July 1999 (1999-07-13) abstract claims	1-3,18

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